TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Name: Dr. Jun Xiao Title: Associate Professor of Instruction

B. Educational Background

Degree	Year	University	Major	Thesis/Dissertation
DSC	2009	Ecole Nrm Sup De Francs	Physics	
DSC	2008	East China Normal University	Signal Processing	
MS	2005	East China Normal University	Optics	
BS	2002	East China Normal University	Opto-Electronics	

C. University Experience

Position	University	Comments	Dates
Associate Professor of Instruction, Physics	Texas State University. San Marcos, TX, United States		August, 2024 - Present
Lecturer, Physics	Texas State University. San Marcos, TX, United States		January, 2016 - July

II. TEACHING

B. Courses Taught:

Texas State University:

PHYS 1310 - ELEMENT PHYS I

PHYS 1315 - GENERAL PHYSICS I

PHYS 1320 - ELEMENT PHYS II

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

2. Articles:

b. Non-refereed Articles:

Borgnat, P., Flandrin, P., Honeine, P., & Xiao, J. (2010). Testing Stationarity With Surrogates: A Time-Frequency Approach. IEEE Trans. on Signal Proc, 58(7), 3459–3470.

Xiao, J., Borgnat, P., & Flandrin, P. (2008). Sur un Test Temps-Frequence de Stationnarite. Traitement Du Signal (numéro Spécial GRETSI-07), 25(4), 357–366.

Xiao, J., & Flandrin, P. (2007). Multitaper Time-Frequency Reassignment for Nonstationary Spectrum Estimation and Chirp Enhancement. IEEE Trans. on Signal Proc, 55(7 (Part 2)), 2851.

Xiao, J. (2006). Optimization of Single Attosecond X-Ray Pulses by Genetic Algorithm Control of the Chirp and Initial Phase of 5fs-Laser Pulses. J. Opt. Soc. Am. B, 23(4), 771.

Xiao, J. (2005). Optimization of High-order Harmonic by Genetic Algorithm for the Chirp and Phase of Few-cycle Pulses. Chin. Phys. Lett, 22(4), 873.

3. Conference Proceedings:

b. Non-refereed:

Xiao, J., Borgnat, P., Flandrin, P., & Richard, C. (2007). Sur un Test Temps-Frequence de Stationnarite. Troyes: GRETSI-07.

Xiao, J., Borgnat, P., Flandrin, P., & Richard, C. (2007). Testing Stationarity with Surrogates-A one-class SVM Approach. Madison: SSP-07.

Xiao, J., Borgnat, P., & Flandrin, P. (2007). Testing Stationarity with time-frequency surrogates. Poznan: EUSIPCO-07.

Xiao, J., & Flandrin, P. (2006). Multitaper Time-Frequency Reassignment (Vol. I). Florence: EUSIPCO-06.

IV. SERVICE

A. Institutional

2. College:

Member, REU Site: Algebra, Combinatorics, and Statistics, NSF, Federal. (April 1,2025 - March 28, 2028).

Organizer, Zassenhaus Groups and Friends Conference 2024. (November 2023 - June 2024).

Member, WISE conference. (August 2018 - December 2022).

Member, China-US Group Theory Summit Conference. (August 1, 2019 - August 25, 2019).

3. Department/School:

Course coordinator. (June 2019 - Present).

Member, the Faculty Standing Committee on Non-Tenure Line Promotion (February-May, 2025)

E. Service Honors and Awards:

Award / Honor Recipient: ODS Faculty Recognition Award 2019-2020, The Office of Disability Services. May 4, 2020
Certificate ODS Faculty Recognition 2019-2020 Dr. J. Xiao-1.pdf

F. Service Grants and Contracts:

1. Funded External Service Grants and Contracts:

1. Yang, Yong (Principal), Keller, Thomas M. (Co-Principal), Sun, Shuying (Supporting), Dochtermann, Anton (Supporting), Oh, Suho (Supporting), Shen, Xiaoxi (Supporting), Xiao, Jun (Supporting). REU Site: Algebra, Combinatorics, and Statistics, NSF, Federal, $271,568.00. (Submitted: August 2024, Funded: April 1,2025 - March 28, 2028). Grant.

2. Yang, Yong (Principal), Percent Contribution: 65%, Keller, Thomas (Co-Principal), Percent Contribution: 35%, Xiao, Jun (Supporting). Zassenhaus Groups and Friends Conference 2024, NSF, Federal, $18,000.00. (Submitted: August 2023, Funded: January 1, 2024 - December 31, 2024). Grant.